

# Comparisons of Job Characteristics

**Focus Occupation:** Computer Science Teachers, Postsecondary (25-1021)

**Associated Occupation:** Instructional Coordinators (25-9031)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 72

**Focus Occupation:** Computer Science Teachers, Postsecondary (25-1021)

**Associated Occupation:** Instructional Coordinators (25-9031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Education and Training	9.2	24.6	21.7	<<	Extensive education and/or training may be required
English Language	11.2	20.8	18.2	<	Expanded education and/or training may be required
Psychology	6.4	14.3	7.1	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	14.2	6.7	<<	Extensive education and/or training may be required
Administration and Management	8.4	13.4	8.6	<<	Extensive education and/or training may be required
Clerical	7.3	12.9	9.2	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	12.1	5.6	<<	Extensive education and/or training may be required
Communications and Media	5.3	11.3	9.6	<	Expanded education and/or training may be required
Therapy and Counseling	3.8	11.3	4.6	<<	Extensive education and/or training may be required
Philosophy and Theology	3.2	9.6	4.2	<<	Extensive education and/or training may be required
Foreign Language	2.7	7.6	2.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Computer Science Teachers, Postsecondary (25-1021)

**Associated Occupation:** Instructional Coordinators (25-9031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reading Comprehension	10.7	16.2	16.2	0	Current skill level may be sufficient
Learning Strategies	7.2	15.2	13.5	<	A higher skill level may be required
Speaking	10.8	15.1	17.4	>	Skill level is likely sufficient
Writing	9.2	14.6	15.1	0	Current skill level may be sufficient
Monitoring	9.9	13.9	11.8	<	A higher skill level may be required
Active Learning	8.7	13.6	14.1	0	Current skill level may be sufficient
Instructing	7.8	13.2	15.1	>	Skill level is likely sufficient
Coordination	9.1	12.9	10.2	<	A higher skill level may be required
Time Management	8.9	12.8	11.9	0	Current skill level may be sufficient
Service Orientation	7.9	11.5	7.7	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	11.1	7.7	<<	Extensive development of skills in this area may be required
Negotiation	6.8	11.1	7.9	<<	Extensive development of skills in this area may be required
Persuasion	7.4	10.7	8.5	<	A higher skill level may be required
Systems Evaluation	6.4	10.3	9.2	<	A higher skill level may be required
Management of Material Resources	3.7	6.2	3.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 94			
Focus Occupation: Computer Science Teachers, Postsecondary (25-1021) Associated Occupation: Instructional Coordinators (25-9031)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Written Comprehension	11.0	17.0	16.7	0	Current ability level may be sufficient
Oral Comprehension	12.5	15.7	16.5	0	Current ability level may be sufficient
Oral Expression	12.4	15.7	18.9	>	Current ability level is likely sufficient
Written Expression	9.8	15.4	14.9	0	Current ability level may be sufficient
Deductive Reasoning	10.6	12.9	14.5	>	Current ability level is likely sufficient
Speech Clarity	10.2	12.9	17.5	>>	Current ability level is likely more than sufficient
Inductive Reasoning	10.2	12.8	13.5	0	Current ability level may be sufficient
Information Ordering	9.9	12.2	12.1	0	Current ability level may be sufficient
Originality	7.6	12.0	9.3	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	11.1	8.7	<	Some improvement in abilities may be required
Memorization	5.6	8.9	7.8	<	Some improvement in abilities may be required
Time Sharing	6.6	8.5	5.5	<<	Extensive improvement in abilities may be required
Speed of Closure	5.9	8.2	6.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 68

**Focus Occupation: Computer Science Teachers, Postsecondary (25-1021)**  
**Associated Occupation: Instructional Coordinators (25-9031)**

Work Activities	Exclusivity of Activity
Advise students	49
Conduct research on work-related topics	44
Convert information into instructional program	38
Develop course or training objectives	42
Develop instructional materials	38
Organize educational material or ideas	41
Use oral or written communication techniques	1
Use public speaking techniques	13
Use teaching techniques	29
Write research or project grant proposals	33

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Computer Science Teachers, Postsecondary (25-1021)**  
**Associated Occupation: Instructional Coordinators (25-9031)**

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.